

WIRELOCK®

WARNINGS AND APPLICATION INSTRUCTIONS



WARNING

- Incorrect use of WIRELOCK® can result in an unsafe termination which may lead to serious injury, death, or property damage.
- Do not use WIRELOCK® with stainless steel rope in salt water environment applications.
- Use only soft annealed iron wire for seizing.
- Do not use any other wire (copper, brass, stainless, etc.) for seizing.
- Never use an assembly until the WIRELOCK® has gelled and cured.
- Remove any non-metallic coating from the broomed area.
- Sockets with large grooves need to have those grooves filled before use with WIRELOCK®.
- Read, understand, and follow these instructions and those on product containers before using WIRELOCK®.

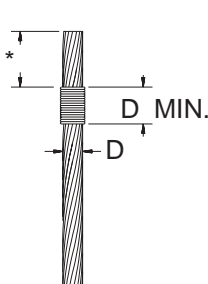
The following simplified, step-by-step instructions should be used only as a guide for experienced users. For full information, consult our document **WIRELOCK® TECHNICAL DATA MANUAL**, **WIRE ROPE USER MANUAL** by **AISI** and **WIRE ROPE MANUFACTURERS CATALOGS**.

STEP 1 - SOCKET SELECTION

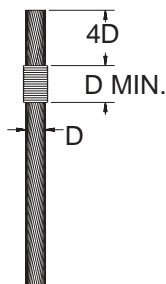
1. WIRELOCK® is recommended for use with Crosby 416 - 417 Spelter Sockets.
2. For use with sockets other than Crosby 416 - 417 consult the socket manufacturer or Crosby Engineering.
3. Sockets used with WIRELOCK® shall comply with Federal or International (CEN, ISO) Standards.
4. WIRELOCK®, as with all socketing media, depends upon the wedging action of the cone within the socket basket to develop full efficiency. A rough finish inside the socket may increase the load at which seating will occur. Seating is required to develop the wedging action.

STEP 2 - SEIZING

Seize the wire rope or strand as shown using soft annealed iron wire



Strand

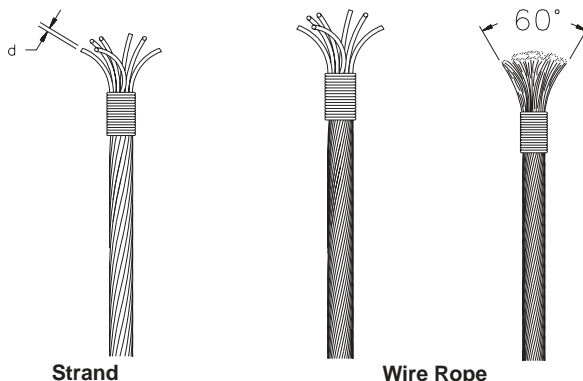


Wire Rope

* = 5D or 50d (d= Diameter of the largest wire) WHICHEVER IS GREATER.

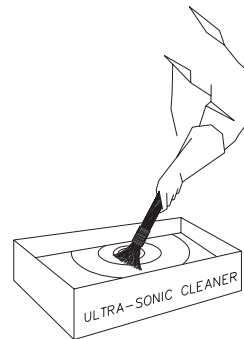
STEP 3 - BROOMING

1. Unlay the strands of the wire rope and IWRC as far as the seizing.
2. Cut out any fiber core.
3. Unlay the individual wires from each strand, including the IWRC, completely, down to the seizing.
4. Remove any plastic material from broomed area.



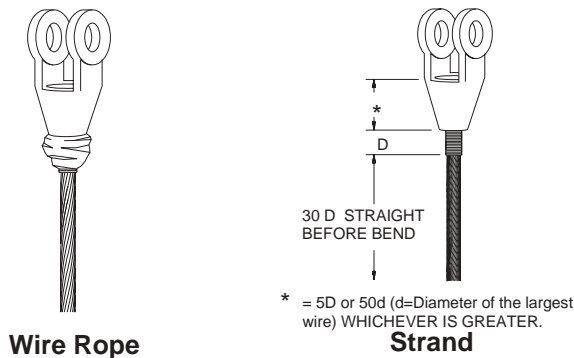
STEP 4 - CLEANING

1. The method of cleaning will depend on the lubricant and/ or coating on the wire.
2. The methods and materials used for cleaning should comply with the current EPA regulations.
3. Consult the Wire Rope Technical Board, your Wire Rope supplier or the Wire Rope Manufacturer for recommended materials and methods.
4. The currently recommended Trichlorethane does not comply with the "Clean Air Act of 1990, Section 611, Ozone Depletion Substances."



STEP 5 - POSITIONING OF SOCKET

1. Position socket over the broom until the wires are LEVEL with the top of the socket basket or to a minimum embedded length as shown.
2. Clamp rope and socket vertically ensuring alignment of their axes.
3. **CAUTION: DO NOT USE OVERSIZED SOCKETS FOR WIRE ROPE.**

**STEP 6 - SEAL SOCKET**

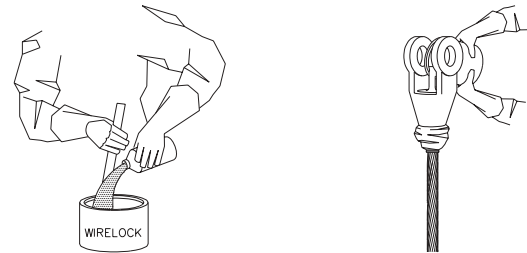
Seal the base of the socket with putty or plasticine to prevent leakage of the **WIRELOCK®**.

**STEP 7 - WIRELOCK® KITS**

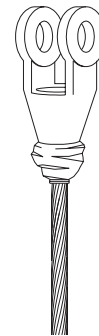
1. **WIRELOCK®** kits are pre-measured and consist of two (2) containers - one (1) with resin and one (1) with granular compound.
2. Use the complete kit - **NEVER MIX LESS THAN THE TOTAL CONTENTS OF BOTH CONTAINERS.**
3. Each kit has a shelf life clearly marked on each container and this must be observed. **NEVER USE OUT OF DATE KITS.**

STEP 8 - MIXING AND POURING

1. Mix and pour **WIRELOCK®** within the temperature range of 48 degrees to 110 degrees F. Booster kits are available for reduced temperatures.
2. Pour all the resin into a container containing all the granular compound and mix thoroughly for two (2) minutes with a flat paddle.
3. Immediately after mixing, slowly pour the mixture down one side of the socket until the socket basket is full.

**STEP 9 - CURING**


1. **WIRELOCK®** will gel in approximately 15 minutes, in a temperature range 65 degrees F. to 75 degrees F.
2. The socket must remain in the vertical position for an additional ten (10) minutes after gel is complete.
3. The socket will be ready for service 60 minutes after gelling.
4. Never heat sockets to accelerate gel or curing.

**STEP 10 - RE-LUBRICATION**

Re-lubricate wire rope as required.

STEP 11 - PROOF LOADING

Whenever possible, the assembly should be proof loaded. All slings with poured sockets, in accordance with ASME B30.9, shall be Proof Loaded.

 CAUTION	
●	WIRELOCK® resin, in liquid state, is flammable.
●	Chemicals used in this product can give off toxic fumes and can burn eyes and skin.
●	Never use out-of-date material.
●	Use only in well-ventilated work areas.
●	Never breathe fumes directly or for extended time.
●	Always wear safety glasses to protect eyes.
●	Always wear gloves to protect hands.
●	Avoid direct contact with skin anywhere.